

ABSTRACT
CATTLE REPRODUCTIVE DISEASE VACCINES

The present invention relates to combination vaccines and methods for treating or preventing diseases or disorders in an animal caused by infection by Bovine Viral Diarrhea Virus (BVDV) Types 1 and 2, Bovine Herpes Virus Type-1 (BHV-1), Bovine Respiratory Syncytial Virus (BRSV), Parainfluenza Virus (PI₃), *Campylobacter fetus*, *Leptospira canicola*, *Leptospira grippotyphosa*, *Leptospira hardj-prajitno*, *Leptospira icterohaemorrhagiae*, *Leptospira hardj-bovis* and *Leptospira pomona* by administering to the animal an effective amount of a combination vaccine. The combination vaccine can be a whole or partial cell inactivated or modified live preparation.